SPECIFICATIONS

General

Type	Console
Engine speed (copy/print)	Max. 62 cpm/ppm (A4 size or 8 1/2" x 11", portrait)
Paper size	Max. A3 (11" x 17"), min. A5R (5 1/2" x 8 1/2"R)
Paper weight	Paper trays 1 & 2: 60 to 105 g/m²
	Paper trays 3 (multi-purpose tray) & 4: 60 to 205 g/m²
	Multi-bypass feeder: 52 to 205 g/m²
	(single feed: 52 to 59 g/m²)
Paper capacity (80 g/m²)	3,100 sheets (800 + 1,200 + 500 x 2 + 100),
	max. 6,600 sheets with optional large capacity tray
Memory	128MB upgradeable to 384MB, 40GB HDD
First copy time*1	3.9 seconds
Warm-up time*2	Less than 120 seconds
Power requirements	Rated local AC voltage ±10%, 50/60 Hz
Power consumption (max.)	1.84 kW (200 to 240V), 1.80 kW (100 to 127V)
Dimensions (W x D x H)	728 x 679 x 1,192 mm (28 21/32" x 26 47/64" x 46 15/16")
Weight	Approx. 185 kg (407.3 lbs.)

Copier

Original paper size	Max. A3 (11" x 17")
Continuous copy	Max. 999 copies
Resolution	Scan: 600 dpi Print: 600 dpi
Gradation (scanning)	256 levels
Zoom range	25 to 400% (25 to 200% using DSPF) in 1% increments
Preset copy ratios	10 ratios (5R/5E) in metric system, 8 ratios (4R/4E) in inch system
Features	• Auto magnification/paper selection • XY zoom • Paper type selection • Auto tray switching • Book copy • Rotation copy • Electronic sorting • Rotation sort*3 • Network tandem copy • Document filing • 2-sided copy orientation change • Card shot • Margin shift • Edge/centre erase • Copy auditing (500 accounts) • Cover/transparency insertion • Multi shot (2-in-1/4-in-1) • Pamphlet copy • Job build • B&W reverse*4 • Dual page copy • Reserved copy • Tab copy • Tab page insertion • Job programme • Irregular original/paper size input • Mirror image • Pre-heat/auto power shut-off modes

Network Scanner*5, †

Resolution	200 x 200, 300 x 300, 400 x 400, 600 x 600 dpi
Compatibility	TWAIN compliant (push out method)
File format	PDF, TIFF, TIFF-F, TIFF-FX
Features	• Scan to e-mail/desktop (Sharpdesk™)/FTP server/HDD • Sharpdesk™ utility (10 licenses) • LDAP for easy e-mail address browsing and storage • E-mail/file name entry from control panel • Internet fax • PC-iFax transmission

Network Printer*6

Resolution	600 dpi, equivalent to 1,200 dpi (with smoothing)
Interface	IEEE 1284, USB 1.1 (Windows® 98/98SE/Me/2000/XP only), USB 2.0 (Windows® 2000/XP only), 10Base-T/100Base-TX
Supported OS	Windows NT® 4.0, Windows® 95/98/Me/2000/XP, Mac OS 8.6 to 9.x, Mac OS X 10.1.5, 10.2 to 10.2.8 (not 10.2.2)*7
Network protocols	TCP/IP, IPX/SPX, EtherTalk, NetBEUI
PDL emulation	Standard: PCL 6/5e Option: PS3*7
Available fonts	80 fonts for PCL, 136 fonts for PS3*7
Features*8	• Duplex print • Pamphlet style • Binding edge • N-up (2/4/6/8) • Paper/output tray selection • Cover/chapter insertion • Transparency interleave • Print with stapling • Offset output • Toner save mode • Negative image • Mirror image • Zoom • Tab print • Font download • Auto configuration • Watermarks • Form overlay • Print auditor • Fit to page • Job retention (print hold, confidential print, proof print) • Network tandem print • Carbon copy print • Document filing • Direct printing*9 of PDF*7 and TIFF files • Barcode font compatibility*10 • Printer administration utility & printer status monitor† • Network security with IP/MAC address filtering

Facsimile*11

Compression method	MH/MR/MMR/JBIG
Communication protocol	Super G3/G3
Transmission time	Less than 3 seconds*12
Modem speed	33,600 bps to 2,400 bps with automatic fallback
Transmission resolution	Standard 203.2 x 97.8 dpi, up to 406.4 x 391 dpi
Recording width	A3 to A5 (11" x 17" to 5 1/2" x 8 1/2)
Memory	Standard 2MB, expandable to 10MB
	with optional 8MB flash memory
Gray scale levels	Equivalent to 256 levels
Features	• Duplex transmission/reception • PC-fax transmission*13 • Quick on-line transmission • F-Code compatibility • 999 rapid dials • Memory transmission/reception • Confidential communication • Timer transmission • Broadcasting for both G3 and iFax • Auto reduction/reception • Rotation transmission • Long original transmission • Transmit message • Edge/centre erase • Multi-shot • Card shot • Transmission/reception result • Error correction mode

†: For Windows environments only.
*1: When feeding A4 (8 1/2" x 11") sheets from 1st paper tray, A4 (8 1/2" x 11") original scanned on document glass in Auto Exposure mode.
*2: At rated voltage, 25°C (77°F), 65% RH.
*3: Not available when equipped with a finisher.
*4: Not available in some regions.
*5: Optional AR-NS3 Network Scanner Expansion Kit required. Optional AR-P19 Printer Expansion Kit also required for AR-M620U.
*6: For printing and network printing, AR-P19 required for AR-M620U.
*7: Optional AR-PK5 PS3 Expansion Kit required.
*8: Some features are not available according to the printer driver used.
*9: Certain PDF and TIFF files may not print out this way.
*10: Optional AR-PF1 Barcode Font Kit required.
*11: Optional AR-FX8 Fax Expansion Kit required. The AR-FX8 may not be available in some regions.
*12: Based on Sharp standard chart (A4 size, 6% coverage) at standard resolution in Super G3 mode, 33,600 bps, JBIG compression.
*13: AR-P19 also required for AR-M620U.

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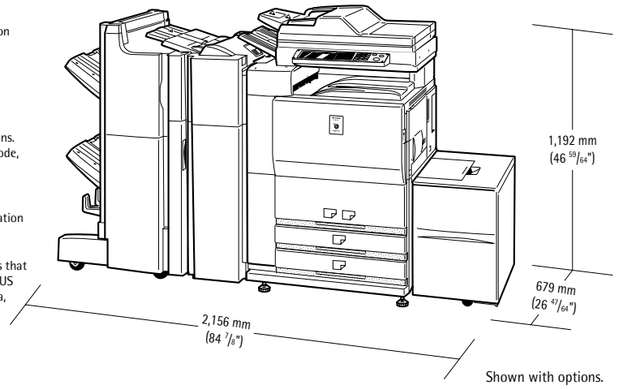

Shown with options.

SHARP
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SHARP
..... be sharp

AR-M620U/N

U model: Digital Laser Copier/Printer
N model: Digital Multifunctional System

The Centre of
Office Communications

digital
ENERGY STAR
Common Criteria Validated
MFP Data Security Kit
AR-FR11 VERSION M.20

COPY | PRINT (OPTION for U Model) | NETWORK PRINT OPTION | NETWORK SCAN OPTION | SHARPDESK™ OPTION | FAX/PC-FAX OPTION

Do More than You Ever Thought Possible

Designed for productivity and reliability, the Sharp AR-M620U/N puts you on the fast track to business success. Best-in-class features allow you to accomplish a lot more in a lot less time. Powerful scan, copy, print, and fax capabilities make this multi-faceted performer the heart of the office. Versatile input and output features enable a truly digital workflow and create more effective communication in both small workgroups and large departments. Powerful integrated software makes it easy to manage and protect digital files. The AR-M620U/N revolutionises office workflow and gives your business the flexibility it needs to function today—and grow tomorrow.

AR-M620U/N

U model: Digital Laser Copier/Printer
N model: Digital Multifunctional System

What is the Common Criteria?

The Common Criteria is an international accreditation standard designed to facilitate the evaluation of the security levels of information systems, hardware and software. Security evaluation standards were originally implemented in the US and European countries for the protection of military information, then as security for commercial products and systems grew important, the Common Criteria was consequently developed in October 1998.

Sharp and Data Security

Sharp is the world's first company in the copier/printer industry to have its Data Security Kits certified to the Common Criteria. The AR-FR11* data security kit for the AR-M620U/N is certified for Common Criteria EAL3 (evaluation assurance level 3).

*If you wish to simultaneously upgrade both the Data Security Kit's ROM and the main unit's ROM, please use the AR-FR11 U (commercial version). For details, consult your Sharp dealer.

Common Criteria Validated
MFP Data Security Kit
AR-FR11 VERSION M.20

The validation obtained by this product concerning information security is the result of the evaluation based on the standards and methods prescribed by the Target of Evaluation. It certifies that the product conforms to security assurance requirements.

What Your Office Needs to Stay Ahead

Ideal for high-speed printing and copying, powerful scanning and faxing, and versatile document management with tough security, the AR-M620U/N is a great addition to any office. And because it's made by Sharp, you get that built-in reliability—page after page, job after job, and month after month.

High-Performance Copying and Printing

- Efficient electronic sorting, RIP Once/Print Many, and Job Offset
- Job Build for large-volume documents
- Professional-looking job finishing
- Powerful network printing with network utilities
- Network tandem copying/printing
- Variety of advanced copy/print functions
- Max. 62 cpm/ppm engine speed
- Standard 150-sheet Duplex Single Pass Feeder
- Built-in stackless duplex module
- Easy-to-use operation panel with large LCD

Powerful Network Scanning

- Scan to e-mail/desktop/FTP server/HDD
- LDAP compatibility for browsing and searching e-mail addresses
- Best-in-class 150-sheet scanner for speedy scanning of 2-sided originals
- TWAIN-compatible scanner

Versatile Faxing

- Super G3 faxing and JBIG compression
- Quick on-line transmission
- Duplex fax transmission and reception
- PC-Fax/PC-iFax transmission from PC
- Internet faxing for lower communication charges
- Max. 999-number auto dialling

Reliable Heavy-Duty Design

- Max. 6,600-sheet paper capacity
- Highly rigid frame for higher durability
- Stable paper feed with full-grip short paper path and small-diameter transfer belt
- Feedback Process Control to maintain image quality

Document Security

- IP/MAC address filtering restricts unauthorised access
- Data Security Kit encrypts and erases confidential data
- Confidential Print allows secure printing with PIN code
- User authentication for network scanning

Integrated Document Management

- Document Filing improves workflow efficiency by enabling reuse of processed job data on hard disk
- Intuitive Sharpdesk™ provides easy desktop management of documents in over 200 file types

- COPYING & PRINTING — P 3–4
- DOCUMENT FILING — P 5–6
- FAXING — P 7
- NETWORK SCANNING — P 8
- DOCUMENT SECURITY
- USER- & ENVIRONMENT-FRIENDLY — P 9
- RELIABILITY
- OPTIONS — P 10
- SPECIFICATIONS — back cover

Productive Copying and High-Performance Network Printing

Quick First Copy Time

COPY

The AR-M620U/N has a quick first copy time of **3.9 seconds** to save valuable time when performing multiple short-run jobs.

First copy time

Astonishing Output Speed

COPY PRINT

With a continuous output of **62 cpm/ppm***, the AR-M620U/N allows you to produce large-volume documents that include memory-intensive graphics in less time.

*A4 (8 1/2" x 11") size, portrait

150-Sheet Duplex Single Pass Feeder (DSPF)

COPY

The AR-M620U/N comes standard with a highly efficient **150-sheet DSPF** (duplex single pass feeder), which scans both pages of two-sided documents in one pass to minimise paper misfeeds and vastly improve reliability. With an amazing scanning speed of **76 originals per minute** (opm) for duplex mode and 65 opm for simplex mode, the AR-M620U/N finishes even large projects quickly.

Job Build for Large-Volume Scanning

COPY

The AR-M620U/N easily handles copy jobs exceeding the DSPF's 150-sheet capacity*1. Large-volume documents of up to 10,000 pages*2 are automatically stored in the AR-M620U/N's hard disk so that users can print all documents at once at a later time.

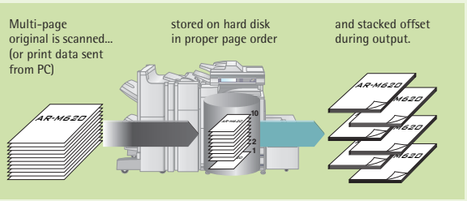
*1: A4 (8 1/2" x 11") size

*2: Measured by Sharp standard chart (A4 size with 6% coverage)

Productive Output and Job Offset

COPY PRINT

The AR-M620U/N's Scan Once/Print Many function requires only a single scan of a multi-page original for copying, while its RIP Once/Print Many function needs only a single download of the print data from the PC for printing. The AR-M620U/N then automatically outputs collated sets of copies or printouts in the proper page order. Each set is stacked offset for easier retrieval and up to 999 copies can be made directly from memory. This highly productive process allows you to handle high-volume jobs and contributes to a comfortable office environment by reducing machine noise and energy consumption.


Multi-page original is scanned... (or print data sent from PC)
stored on hard disk in proper page order
and stacked offset during output.
AR-M620

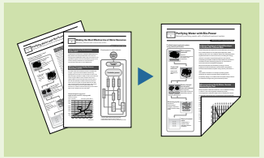
Professional Job Finishing

COPY PRINT

The AR-M620U/N makes it easy to create professional-looking documents automatically. The optional **Saddle Stitch Finisher** folds and staples sets of documents to make completed booklets. A Finisher is also available for jobs that require only simple sorting and stapling. The **Inserter** enables you to attach pre-printed covers or inserts up to 256 g/m^2 in weight to your documents for truly professional results. These high-performance finishing capabilities save you valuable time and money by reducing costly outsourcing.

Built-in Stackless Duplex Module

COPY PRINT



The AR-M620U/N can make two-sided copies and printouts using its built-in stackless duplex module, effectively reducing paper costs as well as saving filing space. Auto duplexing is available for paper weights up to **205 g/m^2**. Duplex copying is even more productive when used together with the 150-sheet DSPF.

Large Paper Capacity

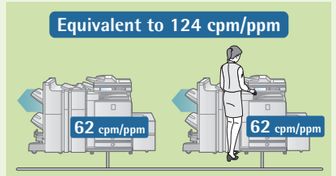
COPY PRINT

The AR-M620U/N comes standard with a **3,100-sheet** paper capacity: two 500-sheet drawers, an 800-sheet drawer, a 1,200-sheet drawer, and a 100-sheet multi-bypass feeder. For large-volume jobs, the AR-M620U/N can accommodate up to **6,600 sheets** when equipped with the optional 3,500-sheet large capacity tray. When a tray runs out of paper, the Auto Tray Switching function automatically switches to another paper tray filled with the same size paper. This allows you to do extra-large volume jobs without worrying about running out of paper.

Network Tandem Function

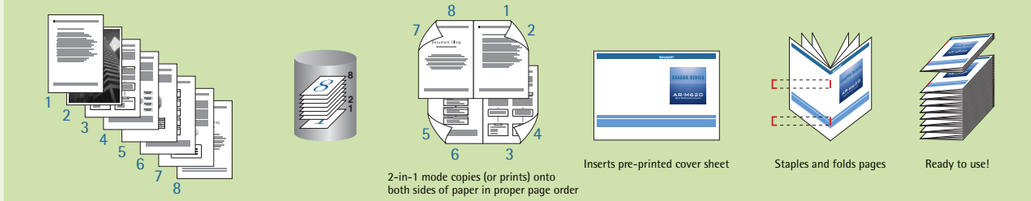
COPY PRINT

When two AR-M620U/Ns are connected to the same office network, you can use both simultaneously to double copying/printing output to up to 124 cpm/ppm. Operation is simple and the machines can even be in different locations. With just a few keystrokes, you can handle large-volume jobs to meet tight deadlines.



Note: Print function is standard on the AR-M620N but the AR-M620U requires the optional AR-P19 Printer Expansion Kit.

Professional Job Finishing


Multi-page document (copy or print)
Stored on hard disk
Booklet making
Inserter (option)
Saddle Stitch Finisher (option)
2-in-1 mode copies (or prints) onto both sides of paper in proper page order
Inserts pre-printed cover sheet
Staples and folds pages
Ready to use!

PCL6 and PostScript 3 Emulation

PRINT

The AR-M620U/N supports PCL5e and PCL6 printer languages*. For compatibility with PostScript 3, the AR-PK5 PS3 Expansion Kit is available.

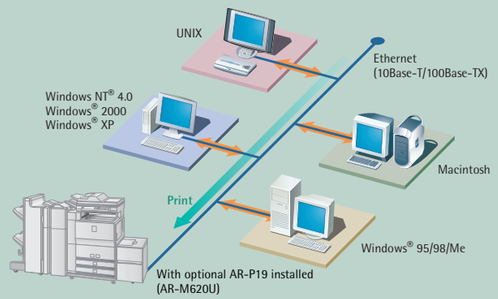
*Optional AR-P19 Printer Expansion Kit required for AR-M620U.

Powerful Network Printing

PRINT

The AR-M620U/N works as a network printer* with the most commonly used network operating systems and protocols and even in mixed network OS environments. With a 64-bit, 525-MHz CPU, you get powerful network printing via 100Base-TX and 10Base-T Ethernet standards.

*AR-P19 required for network printing with the AR-M620U.

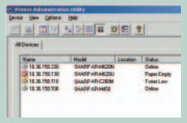


Network Utility Software (Windows® only)

PRINT

Printer Administration Utility makes printer networks easier to manage by allowing network administrators to customise monitored items and view settings such as the IP address directly from their PC. Printer Status Monitor conveniently allows you to monitor important printer information your PC, including on-line/off-line status, name of the active print job, and machine conditions such as amount of paper or toner.

Printer Status Monitor



PAU

Space-Saving Inner Output Tray

COPY PRINT

The inner output tray gives the AR-M620U/N a compact design. Installing the optional finisher allows convenient separate output of copies and printouts.

Superb Image Quality

COPY PRINT

You get ultra-detailed reproduction with 600-dpi resolution. The printing resolution can be enhanced to 1,200 dpi (with smoothing). Digital Auto Exposure Control provides optimum copy contrast, and Text/Photo mode automatically adjusts the copy contrast for documents containing both text and photos.

Various Copy/Print Applications

COPY PRINT

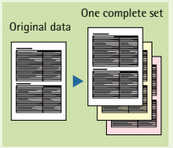
COPY & PRINT

- **Tab Copy/Print** can copy or print directly onto tabs on document separators and insert them into assigned positions, enabling you to create professional-looking documents.

Tab Copy/Print and Insertion

PRINT

- With **PDF/TIFF Direct Print**, you save valuable time by printing PDF and TIFF files without using the printer driver or opening applications: you can print the file directly from an FTP server (pull print), a Web page (push print), or an e-mail attachment.
  Note: Direct PDF printing requires optional AR-PK5. Certain types of TIFF and PDF files may not print out this way.
- **Carbon Copy Print** mode automatically outputs multiple printouts of the same data on plain and/or coloured paper from different paper trays, making it convenient for thing like multi-print invoices and purchase orders.

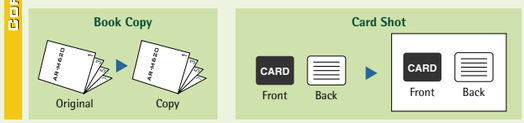


Carbon Copy Print

- **Proof Printing** allows you to check a trial set before printing out a document in large numbers in order to avoid printing mistakes.
- **Barcode font** compatibility (with the optional AR-PF1 Barcode Font Kit)

COPY

- **Book Copy** is convenient for compiling copies of a book or bound originals into pamphlet format.
- **Card Shot** enables one-touch copying of both sides of a card (credit cards, ID cards, etc.) onto a single page.



Boost Workflow Efficiency through Your PC Desktop and the AR-M620U/N's Internal Hard Disk

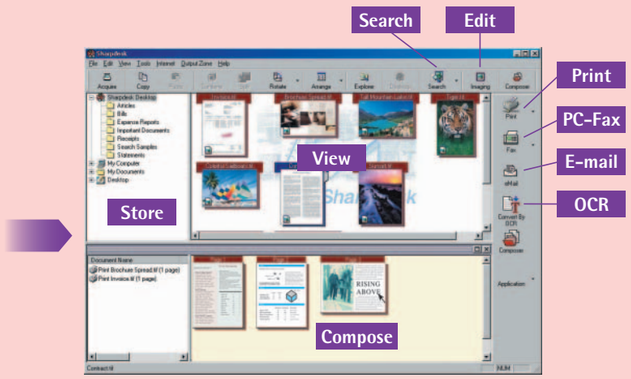
Don't just get a machine that makes copies; get a machine that offers a solution for total office document management. The AR-M620U/N has an integrated management system that gives you two ways to bring a whole new level of efficiency to your office workflow. **Sharpdesk**™ document management software gives you powerful, desktop-based management of files, regardless of format. And the **Document Filing** function enables the AR-M620U/N's internal hard disk to store documents and previous job data for convenient management or reuse at any time. For example, recently completed print runs can be repeated without recreating the job, thus saving on processing time and user intervention.

Sharpdesk™

Document Management on Your PC

Sharpdesk™ enables seamless management of files in over 200 formats including scanned paper-based documents and those created with popular applications such as Microsoft Word. You can easily combine different types of files into a single document. With Sharpdesk™, you can take any job saved on the AR-M620U/N's hard disk and import it as an image file to your PC desktop for reuse later.

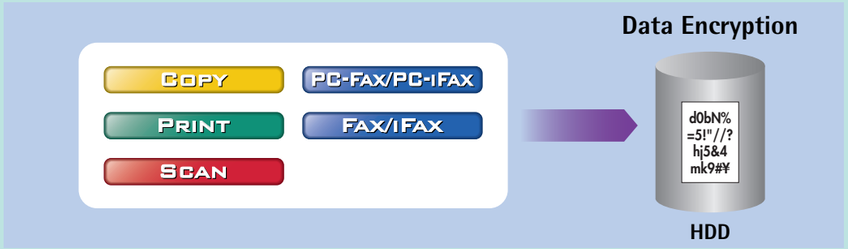
Word
Excel
PowerPoint®
PDF
Scanned image
etc.



Note: For details on Sharpdesk™, see page 8.

Secure Data Storage

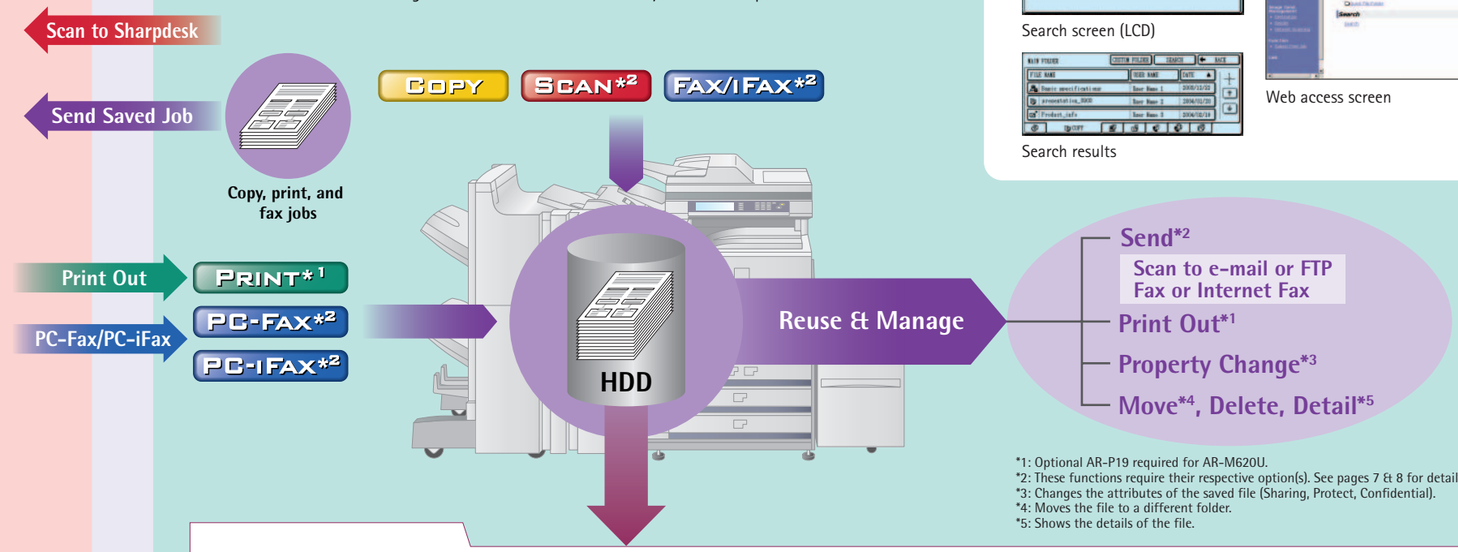
With the optional AR-FR11/FR11 U Data Security Kit installed, all data that goes through the AR-M620U/N's hard disk is encrypted, enabling you to protect confidential documents and data from unauthorised access. Combined with the PIN codes in the Document Filing function, this system ensures solid security to protect your important business information.



Document Filing

Document Management on the Hard Disk

You can save processed job data in designated folders in the AR-M620U/N's built-in hard disk, making it easy to instantly recall saved documents or jobs for printing and sending at a later time. This contributes greatly to efficient sharing and distribution of infomation in your business operations.

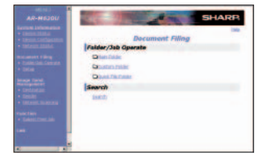


*1: Optional AR-P19 required for AR-M620U.
*2: These functions require their respective option(s). See pages 7 & 8 for details.
*3: Changes the attributes of the saved file (Sharing, Protect, Confidential).
*4: Moves the file to a different folder.
*5: Shows the details of the file.

Easy Access to Stored Files

Documents that are stored on the hard disk can be quickly searched and accessed from the front panel display or through a web page.

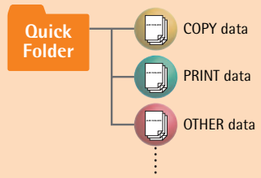
Search screen (LCD)


Web access screen

Search results

Quick Filing with Temporary Storage*1

Up to 10,000 pages*2 that have been copied, printed, scanned, or faxed*3 can be stored by job on the hard disk in up to 1,000 Quick Folders. You can reuse saved data with simple operation without having to reload or rescan the original.



Advanced Filing Function*1

Up to 20,000 pages*2 that have been copied, printed, scanned, or faxed*3 can be stored by job on the hard disk in up to 3,000 folders with customised names and locations. Enhanced security features require users to enter a 5-digit PIN code to access secure folders, protecting your sensitive data. Storage options include:

- Main Folder - You can store processed files by user name in the main public folder and share them across the workgroup. Any file name and a PIN code can be assigned to each saved job.
- Custom Folder - Up to 500 private folders (named as desired) can be created within the Custom Folder. When saving a file in a private folder, any file name can be assigned. A PIN code can be applied to both private folders and files.

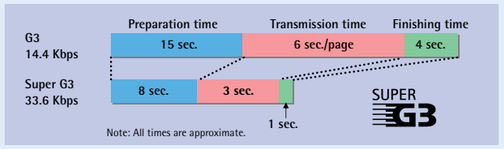
*1: The AR-M620N comes standard with both Quick Filing and Advanced Filing. The AR-M620U comes standard with only Quick Filing and requires the optional AR-P19 to use Advanced Filing.
*2: Measured by Sharp standard chart (A4 with 6% coverage).
*3: For fax and Internet fax jobs, only transmitted data (not received faxes) can be saved in the Document Filing function.

Versatile Fax with Choice of Transmission

High-Speed Operation

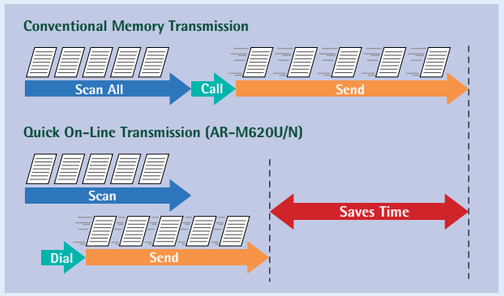
The AR-FX8 Fax Expansion Kit turns the AR-M620U/N into a Super G3 fax machine featuring a fast modem speed of 33.6 Kbps. Using JBIG data compression, the AR-M620U/N can send an A4 (8 1/2" x 11") size page in under 3 seconds*. Working together with the machine's speedy 150-sheet DSPF, this function greatly enhances the efficiency of your faxing jobs.

*Based on Sharp standard chart (A4 size with 6% coverage) at standard resolution.



Quick On-Line Transmission

The AR-M620U/N starts dialling and transmitting a multi-page document as soon as the first page is scanned into memory. This allows you to send documents in much less time than with conventional memory transmission.



Duplex Transmission and Reception

With the DSPF, the AR-M620U/N scans both pages of two-sided documents and sorts them in memory. The pages are then transmitted in the proper order. Thanks to the standard duplex module, the AR-M620U/N can also print incoming faxes onto both sides of paper, thus saving you paper costs.

999-Number Auto Dialling

Register up to 999 frequently used numbers into the customisable directory of one-touch auto-dial keys, listed in alphabetical order for easy searches of specific numbers.

Multi Access Function

You get two different functions simultaneously; for example, you can scan documents into memory for transmission while you receive an incoming fax.

Note: The AR-FX8 may not be available in some regions.

Send and Receive Faxes Over the Internet

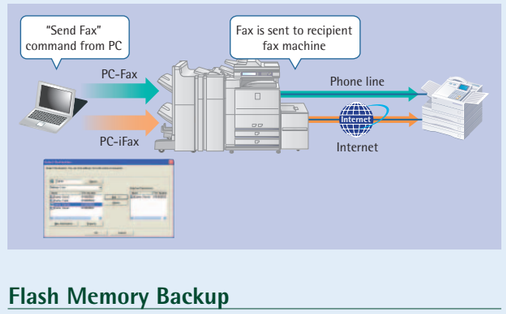
You can send faxes to other ITU-T T-37-compliant Internet fax machines via the Internet without worrying about costs. Plus, you don't need to wait around for transmission since the documents are scanned into and then sent from memory. It's also much faster than public phone lines.

Note: Optional AR-P19 (for AR-M620U) and AR-NS3 are required.

PC-Fax/PC-iFax

A PC-Fax/PC-iFax function allows you to directly send a document created on your PC to a recipient's fax machine via a phone line or the Internet. Since all faxing procedures are done on your PC without printing to paper, this function saves time and costs, increases faxing productivity, and retains original document quality.

Note: Optional AR-FX8 is required for PC-Fax and AR-NS3 for PC-iFax. Also, AR-P19 is required for both PC-Fax and PC-iFax on the AR-M620U.



Flash Memory Backup

In case of power failure, documents stored in memory are retained until power is restored, preventing data from being lost.

Ultra Fine Mode

You can set the AR-M620U/N to this ultra-high resolution to give the recipient crisp, clear reproduction of detailed images and fine text.

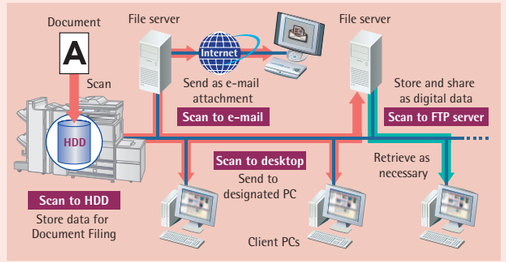
OTHER KEY FEATURES

- **F-Code communication** enables **confidential communication**, **relay request transmission**, and **memory polling** with fax machines from other brands that conform to the **ITU-T F-Code** (sub-address and pass code) standard
- **Automatic Transmission Reduction** automatically reduces the size of the document being sent to fit the paper size of the recipient machine
- **Memory Transmission/Reception** stores documents in memory, allowing the originals to be returned to the user quickly and saving incoming faxes in memory if the AR-M620U/N runs out of paper or toner
- **Timer Transmission** enables unattended after-hours operation when reduced phone rates are in effect
- **Polling** allows the user to retrieve a document left in the feeder of a remote fax machine
- **Long originals** (up to 800 mm long) can be sent using the DSPF
- **Broadcast Faxing** to up to 5,000 destinations
- **Programme keys** (up to 8 keys) are available to set up frequently used transmissions for instant recall
- **Rotation Reception/Transmission** rotates incoming or outgoing faxes to match the direction of the printing paper size
- **Divided Reception** prints out long-length faxes onto separate sheets of paper
- Convenient **image editing** functions: Edge/Centre Erase, 2-in-1, Card Shot

Powerful Network Scanning and Integrated Document Management

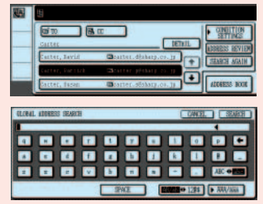
A3 Network Scanning at Astonishing Speed

The 150-sheet DSPF and optional AR-NS3 Network Scanner Expansion Kit turn the AR-M620U/N into an ultra-efficient network scanner. With the touch of a few buttons, you can choose one of four ways to distribute your scanned documents. **Scan to HDD** sends scanned images to the AR-M620U/N's built-in hard disk to use in the Document Filing function (see pages 5 & 6). **Scan to E-mail** allows you to send documents as an attachment to any e-mail address over the Internet. You can easily enter an e-mail subject title or file name from the touch-screen LCD. **Scan to FTP Server** lets you scan a document directly to an FTP server for special applications such as company-wide posting or archiving. **Scan to Desktop** enables you to send scanned documents directly to your desktop computer. And with Sharpdesk™ (see below), Sharp's powerful but easy-to-use document management software, editing and managing scanned documents is easier than ever.



LDAP Compatibility for Network Scanning

Built-in **LDAP** (lightweight directory access protocol) support eliminates the need to enter or register an entire e-mail address. Simply enter the first few letters of the recipient's name and the AR-M620U/N displays a list of possible matches from names and e-mail addresses on your company's LDAP server. This feature saves precious time and lets you avoid errors when typing e-mail addresses. After searching, selected addresses can be stored to the AR-M620U/N's address book. And the integrated **User Authentication** function (see page 9) blocks unauthorised access by requiring the user to log in before searching for an address.



Speedy Duplex Scanning

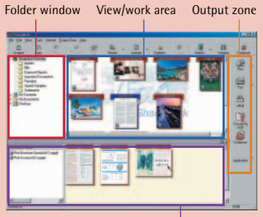
With the 150-sheet DSPF, you can scan both sides of a page at once. This speed and simplicity lets you quickly scan two-sided originals at up to 64 pages per minute.

TWAIN Support

With support for the TWAIN standard, the AR-M620U/N allows you to import scanned images to any commercially available TWAIN-compliant application.

Sharpdesk™ for Total Document Management

Sharpdesk™ is an original, intuitive application that provides integrated desktop management of documents regardless of the format. Once you scan documents and images, or drag-and-drop existing files on your PC into Sharpdesk™, you can view their thumbnail images and organise, edit, search, and distribute your documents in over 200 file formats for maximum productivity.

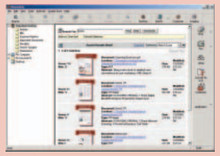


Intelligent File Storage

When using Scan to Desktop to send scanned files to your PC, Sharpdesk™ is activated automatically to save files in their designated folders.

Powerful Search

Sharpdesk™ retrieves not only regular text files, but also image files that have been converted by OCR into editable text files.


Search screen

Thumbnail Display for Easy Browsing

Sharpdesk™ lets you browse thumbnail icons for over 200 file types, including TIFF, JPEG, and BMP.

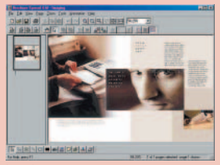
Drag-and-Drop Output

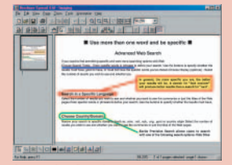
Print documents directly from your desktop, send them as e-mail attachments, or convert them into text files using the built-in OCR engine — all with simple drag-and-drop operation.

Sharpdesk Composer and Sharpdesk Imaging

Sharpdesk Composer lets you combine different types of files into a single document through simple drag-and-drop operation. And Sharpdesk Imaging provides a range of useful annotation tools including labels, stamps, and marks for paper-free proofreading.

Composer


Imaging


Annotation function

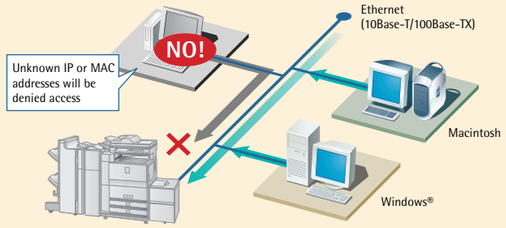
Sharp's Layered Security Approach Protects Your Business at Every Level

The AR-M620U/N has multiple levels of network and data security to restrict access to your electronic documents and ensure that unauthorised personnel cannot get hold of valuable data. Users get peace of mind knowing they can safely copy, print, scan, and fax documents in any business environment, thanks to Sharp, the leader in office equipment security.

IP/MAC Address Filtering

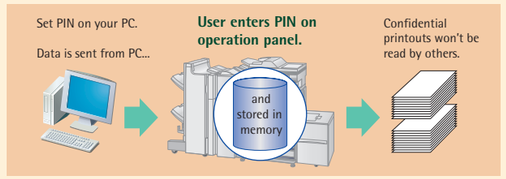
The AR-M620U/N's IP/MAC address filtering function provides highly secure operation by restricting access to the AR-M620U/N on your office network. Only PCs that have either or both their IP address or MAC (media access control) address registered are allowed to use the AR-M620U/N. Attempted access from an unknown IP or MAC address will be denied, preventing unauthorised use.

Note: AR-P19 required for AR-M620U.



Confidential Print

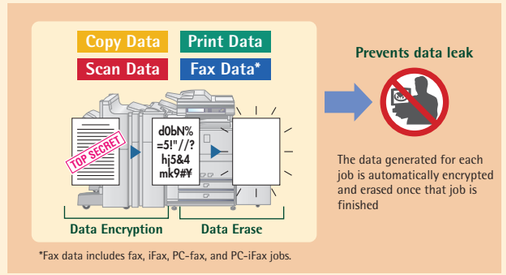
To keep others from seeing confidential documents as they are being printed out, the Confidential Print function requires the user to enter in a PIN (personal identification number) at the machine before printing can begin.


Set PIN on your PC.
Data is sent from PC...
User enters PIN on operation panel.
and stored in memory
Confidential printouts won't be read by others.

Data Security

Digital copier/printers or multifunction products can retain hundreds of pages of confidential information from previous jobs on their hard disk or internal memory. To prevent these sensitive records from being recovered by unauthorised persons, the AR-M620U/N can be equipped with the optional AR-FR11*/FR11 U Data Security Kit, which encrypts and completely erases the data generated for each job.

*Common Criteria EAL3 validated



User Authentication for Network Scanning

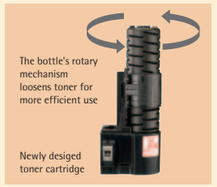
To prevent unauthorised use of network scanning including using the LDAP function, the AR-M620U/N supports user authentication, which requires users to log in to the machine before performing any network scanning operations. Four types of user authentication methods are provided (Simple, Digest-MD5, NTLM, and Kerberos).

User-Friendly Touch-Screen LCD

The AR-M620U/N's logically designed control panel features a wide, clear touch-screen LCD panel with easy-to-follow guidance. For example, when adjusting the edge/centre erase function or, in the event of a paper jam, the LCD displays step-by-step animated instructions to guide you through the necessary procedures.

Easily Replaceable Toner Cartridges

Newly designed toner cartridges make replacing empty ones easier than ever. Long toner life contributes to high-volume operation and reduces the number of cartridge replacements.



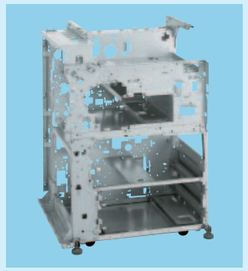
Environmentally Conscious Design

- Complies with the International Energy Star Program, an international system to identify the most energy-efficient products on the market.
- Chromium- and lead-free thanks to the use of chrome-free surface-treated steel sheet, and lead-free wiring harnesses and AC power cords.

Built Solid, with Even Higher Reliability Thanks to a Streamlined Paper Feed System

Highly Rigid Frame

The AR-M620U/N utilises a newly developed, high-rigidity frame to ensure ample robustness to withstand heavy use from high-speed or high-volume output. Stability has been improved by keeping mechanical stress and distortion as low as possible.



Full-Open Paper Path

A door on the left side of the unit provides complete access to the vertical paper transfer path. In the unlikely event of a paper jam, this convenient design allows the jam to be cleared simply and easily, with reduced downtime as a result.

Feedback Process Control

This unique system periodically monitors actual toner density and automatically makes adjustments to maintain image quality over a long period of time.

Full-Grip Short-Path Design

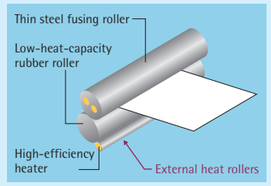
To enhance reliability in the paper transfer process, the AR-M620U/N adopts a full-grip short-path design. The rollers, which can handle a wide range of paper from 60 to 205 g/m^2, continually grip the paper, providing consistent, reliable paper transfer.

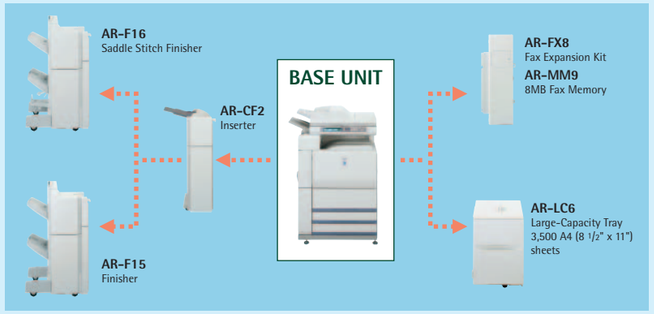
Small-Diameter Transfer Belt

The AR-M620U/N's small-diameter transfer belt provides greater transfer stability regardless of the type of paper. Using static electricity to hold the paper to the belt improves transfer efficiency.

External Heat Rollers

A Sharp proprietary external heat roller system provides stable, consistent fusing for high reliability. Designed to shorten warm-up time to **less than 120 seconds**, this system delivers outstanding energy efficiency.





AR-PK5	PS3 Expansion Kit
AR-PF1	Barcode Font Kit
AR-NS3	Network Scanner Expansion Kit (with Sharpdesk™ & Internet fax)
AR-U11M/U15M	Sharpdesk™ 1/5-License Kit
AR-U1AM/U1BM	Sharpdesk™ 50/100-License Kit
AR-FR11	Data Security Kit (Common Criteria EAL3 validated)
AR-FR11 U	Data Security Kit (commercial version)
AR-PN4A/B/C/D	Punch Module for AR-F15 and AR-F16

Option for AR-M620U Only
(standard on AR-M620N)

AR-P19	Printer Expansion Kit

Some options may not be available in some areas.

Specifications for Options

Saddle Stitch Finisher and Finisher

Model name	AR-F16 Saddle Stitch Finisher	AR-F15 Finisher
Number of trays	3 (upper, middle, lower)	2 (upper, middle)
Paper weight	60 to 256 g/m^2	
Upper/middle tray		
Paper size	Max. A3 (11" x 17"), min. A5R (5 1/2" x 8 1/2"R)	
Paper capacity (max.)		
Non-stapling	2,000 sheets [A4 (8 1/2" x 11") or smaller]	
Stapling	100 sets or 750 sheets [A4 (8 1/2" x 11") or smaller]	
Paper size for stapling	A3 to B5, 8 1/2" x 13" (11" x 17" to 8 1/2" x 11"R)	
Stapling capacity (max.)	50 sheets* [A4 (8 1/2" x 11") or smaller]	
Stapling position	3 locations (front, rear, or both)	
Saddle stitch tray (lower)		
Paper size	A3, B4, A4R (11" x 17", 8 1/2" x 11"R)	
Paper capacity (max.)	15 sheets**	
Stapling capacity (max.)	25 sets (1 to 10 sheets), 20 sets (6 to 10 sheets), 10 sets (11 to 15 sheets)	
Stapling position	Saddle stitch on centrefold line	

*256 g/m^2 paper x 2 sheets + 80 g/m^2 paper x 48 sheets
**256 g/m^2 paper x 1 sheet + 80 g/m^2 paper x 14 sheets

Punch Modules

Model name*	AR-PN4A	AR-PN4B	AR-PN4C	AR-PN4D**
Number of holes	2	2 or 3	4	4
Paper weight	60 to 256 g/m^2			
Paper size for hole punching	A3 to B5R, 8 1/2" x 13" (11" x 17" to 8 1/2" x 11")	A3, A4, 8 1/2" x 13" (11" x 17" to 8 1/2" x 11R")	A3, A4	A3 to B5R, 8 1/2" x 13" (11" x 17" to 8 1/2" x 11")

*Multiple punch modules cannot be installed at the same time. Some models may not be available in some regions.
**Two or three holes can be punched depending on paper size.

AR-CF2 Inserter

Paper weight	60 to 256 g/m^2
Paper size	Max. A3 (11" x 17"), min. A5R (5 1/2" x 8 1/2"R)
Paper capacity	Max. 100 sheets (80 g/m^2)

AR-LC6 Large-Capacity Tray

Paper weight	60 to 105 g/m^2
Paper size	A4 (8 1/2" x 11")
Paper capacity (plain)	Max. 3,500 sheets (80 g/m^2)